

Receipt date: 01/16/2007

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DOCKET NO.: SDG-0039

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

S. Douglas Galbraith

Confirmation No.: Not Yet Assigned

Application No.: 10/582,314

Group Art Unit: Not Yet Assigned

Filing Date: September 12, 2006

Examiner: Not Yet Assigned

For: SORPTION METHOD, DEVICE, AND SYSTEM

DATE OF DEPOSIT: January 12, 2007

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

Elizabeth A. McLoud

TYPED NAME: Elizabeth A. McLoud

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.B./

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of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☒ Copies of reference numbers **10 - 14** listed on the attached Form PTO-1449 are enclosed herewith.

- ☐ Copies of reference numbers - on the attached Form PTO 1449 are not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(i).

- ☒ Copies of references **1 - 9 and 15 - 66** are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number **10/730,278**, filed **December 9, 2003** for which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

- ☐ The relevance of those listed references which are not in the English language is as follows:

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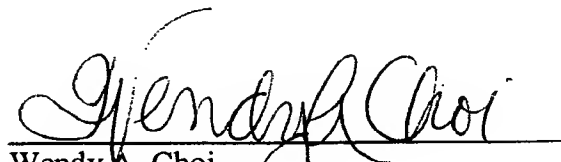
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There are no listed references which are not in the English language.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Date: January 12, 2007


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Sheet 1 of 5

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. SDG-0039	Application No. 10/582,314
		Applicant S. Douglas Galbraith	
		Filing Date September 12, 2006	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	1	Boscolo, I. et al., "Application of Ferroelectric Cathodes to Enhance the ION Yield in the Caesar Source at LNS", <i>Proceedings of EPAC</i> , 2000, 1631-1633	
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	3	Fuhr, G. et al., "Travelling Wave-Driven Microfabricated Electrohydrodynamic Pumps for Liquids", <i>J. Micromech. Microeng.</i> 1994, 217-226	
	4	Gitlin, I. et al., "Pumping Based on Transverse Electrokinetic Effects", <i>Department of Chemistry and Chemical Biology, Harvard University, Cambridge, MA, U.S.A.</i> 15 pages (undated)	
	5	Judkins, R.R. et al., "CO2 Removal from Gas Streams using a Carbon Fiber Composite Molecular Sieve", <i>8th Conference on Fundamentals of Absorption</i> , May 2004, 14 pages	
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	7	Ter Brake, H.J.M. et al., "Vibration Free 5K Sorption Cooler" for ESA's Darwin Mission", <i>University of Twente, Faculty of Applied Physics, MESA Research Institute, Cryogenics</i> , Feb 2002, 42(2), 14 pages	
	8	Wang, R.Z. et al., "Adsorption Mechanism and Improvements of the Adsorption Equation for Adsorption Refrigeration Pairs", <i>International Journal of energy Research</i> , 1999, 23, 887-898	
	9	Roth, J.R., "Subsonic Plasma Aerodynamics Using Paraelectric and Peristaltic Electrohydrodynamic (EHD) Effects", <i>Department of Electrical and Computer Engineering, University of Tennessee, Knoxville</i> , Presented at the 29 th IEEE International Conference on Plasma Science, May 26-30, 2002	
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	11	Dean, K.A., et al., "Current saturation mechanisms in carbon nanotube field emitters," <i>J. Appl. Physics Lett.</i> , 2000, 76(3), 375-377	
	12	Hubble, J., "Biochemical Separations – Adsorption and chromatographic separations," www.bath.ac.uk/~cesjh/adsorb.htm , downloaded from the Internet on October 6, 2006, 1-32	
	13	Feng, C., et al., "Breakthrough and desorption characteristics of a microtrap," <i>J. of Microcolumn Separation</i> , 2000, 12(4), 267-275	

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EXAMINER /Chester Barry/

DATE CONSIDERED 09/25/2009

Form PTO-1449 Modified				Docket No. SDG-0039		Application No. 10/582,314	
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)				Applicant S. Douglas Galbraith			
				Filing Date September 12, 2006		Group Not Yet Assigned	
U.S. Department of Commerce Patent and Trademark Office				Confirmation No. Not Yet Assigned			
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	16	3,771,234	11/13/73	Forster, et al.	34	1	
	17	3,727,375	04/17/73	Wallace	55	2	
	18	3,730,885	05/01/73	Makrides, et al.	210	30	
	19	4,011,306	03/08/77	Fox, Jr.	423	579	
	20	4,038,050	07/26/77	Lowther	95	1	
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	22	4,114,380	09/19/78	Ceperley	60	721	
	23	4,316,233	02/16/82	Chato, et al.	361	233	
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EXAMINER /Chester Barry/				DATE CONSIDERED 09/25/2009			

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